CONFINED SPACE SIMULATOR

Georgia Fire Academy, Forsyth, GA Prop Shop: 2004-04

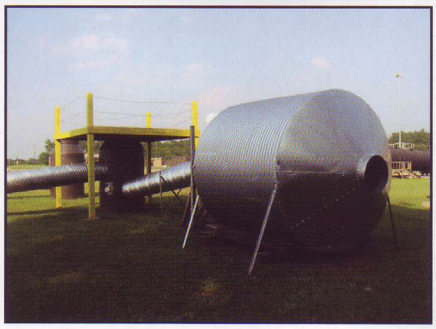
CONFINED SPACE SIMULATOR (CSS)

This above ground simulator allows your department to conduct confined space rescue training in a totally controlled environment. This particular simulator is setup with horizontal and vertical entry points.

CONSTRUCTION

This simulator is constructed using four twenty-foot lengths of corrugated galvanized pipe that are twenty-four inches in diameter. The pipes are running between four pre-cast manholes that are set on top of level ground. To eliminate any drainage problems a drain can be placed inside each manhole and a concrete floor can be poured over the drainpipe.

The pipes are set-in the manholes using concrete to fill around the pipes. Openings still allowing light to penetrate inside the simulator can be filled using spray-in expanding foam insulation. A simulated tank is fashioned using a silo laid on its side tied into one of the manholes. This allows for a variety of realistic scenarios.



A deck has been built over one of the manholes to allow for an elevated vertical entry point. Consideration should be given to construction of a second deck with an offset hole and converging walls to provide a higher degree of difficulty for more advanced members.

Anyone interested in constructing such a prop should consider seeking donations from local industries, and/or utility companies. In return for the donation of materials, the department may consider providing annual refresher training in confined space operations.

With just a few donations and a little hard work your department can have an excellent confined space-training simulator at little to no cost.

This simulator is just one of the technical rescue props located at the Georgia State Fire Academy.

FOR MORE INFORMATION
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